



AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

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1. (Original) A method of modifying a memory in a battery unit of a mobile information handling device comprising:
 - assigning a predetermined data word to an available address in memory;
 - receiving data in a non-reprogrammable section of the memory;
 - modifying a programmable section of the memory if the received data complies with the predetermined data word; and
 - performing a checksum of registers in the memory.
 2. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 further comprising:
 - multiplexing the received data with a control signal before the non-programmable section of the memory receives the data.
 3. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 further comprising:
 - performing additional security measures prior to modifying the programmable section of the memory.
 4. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 2 further comprising:
 - performing additional security measures prior to modifying the programmable section of the memory.

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5. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 further comprising:
controlling sent data from a firmware control hub in the mobile information handling device.

6. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 2 further comprising:
controlling sent data from a firmware control hub in the mobile information handling device.

7. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 3 further comprising:
controlling sent data from a firmware control hub in the mobile information handling device.

8. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 wherein data is transmitted along a system management bus.

9. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 2 wherein data is transmitted along a system management bus.

10. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 3 wherein data is transmitted along a system management bus.

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11. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 4 wherein data is transmitted along a system management bus.

12. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 5 wherein data is transmitted along a system management bus.

13. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 6 wherein data is transmitted along a system management bus.

14. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 7 wherein data is transmitted along a system management bus.

15. (Original) A mobile information handling device wherein a memory in a battery unit powering the mobile information handling device is reprogrammed comprising:

a processor;

a computer readable medium coupled to the processor; and

computer code, encoded in the computer readable medium configured to cause the processor to:


assign a predetermined data word to an available address in memory;

receive data in a non-reprogrammable section of the memory;

modify a programmable section of the memory if the received data

complies with the predetermined data word; and

perform a checksum of registers in the memory.

Doc B1  16. (Original) The mobile information handling device of claim 15 wherein the processor further:

multiplexes the received data with a control signal before the non-programmable section of the memory receives the data.

17 17. (Original) The mobile information handling device of claim 15 wherein the processor further:

performs additional security measures prior to modifying the programmable section of the memory.

18. (Original) The mobile information handling device of claim 16 wherein the processor further:

performs additional security measures prior to modifying the programmable section of the memory.

19. (Original) The mobile information handling device of claim 16 wherein a firmware control hub in the mobile information handling device controls sent data.

20. (Original) The mobile information handling device of claim 17 wherein a firmware control hub in the mobile information handling device controls sent data.

21. (Original) The mobile information handling device of claim 18 wherein a firmware control hub in the mobile information handling device controls sent data.

22. (Original) The mobile information handling device of claim 15 wherein data is transmitted along a system management bus.

Pub B1 > 23. (Original) The mobile information handling device of claim 16 wherein data is transmitted along a system management bus.

24. (Original) The mobile information handling device of claim 17 wherein data is transmitted along a system management bus.

25. (Original) The mobile information handling device of claim 18 wherein data is transmitted along a system management bus.

26 26. (Original) The mobile information handling device of claim 19 wherein data is transmitted along a system management bus.

27. (Original) The mobile information handling device of claim 20 wherein data is transmitted along a system management bus.

28. (Original) The mobile information handling device of claim 21 wherein data is transmitted along a system management bus.

29. (Original) An apparatus to modify a memory in a battery unit of a mobile information handling device comprised of:

means for assigning a predetermined data word to an available address in memory;

means for receiving data in a non-reprogrammable section of the memory;

means for modifying a programmable section of the memory if the received data complies with the predetermined data word; and

means for performing a checksum of registers in the memory.

30. (Original) The apparatus to modify a memory in a battery unit of a mobile information handling device of claim 29 further comprised of:

means for multiplexing the received data with a control signal before the non-programmable section of the memory receives the data.

31. (Original) The apparatus to modify a memory in a battery unit of a mobile information handling device of claim 29 further comprised of:

means for performing additional security measures prior to modifying the programmable section of the memory.

32. (Original) The apparatus to modify a memory in a battery unit of a mobile information handling device of claim 30 further comprised of:

means for performing additional security measures prior to modifying the programmable section of the memory.

33. (Original) The apparatus to modify a memory in a battery unit of a mobile information handling device of claim 29 further comprised of:

means for controlling sent data from a firmware control hub in the mobile information handling device.

34. (Original) The apparatus to modify a memory in a battery unit of a mobile information handling device of claim 30 further comprised of:

means for controlling sent data from a firmware control hub in the mobile information handling device.

35. (Original) The apparatus to modify a memory in a battery unit of a mobile information handling device of claim 31 further comprised of:

means for controlling sent data from a firmware control hub in the mobile information handling device.

36. (Original) The apparatus to modify a memory in a battery unit of a mobile information handling device of claim 29 wherein data is transmitted along a system management bus.

37. (Original) The apparatus to modify a memory in a battery unit of a mobile information handling device of claim 30 wherein data is transmitted along a system management bus.

38. (Original) The apparatus to modify a memory in a battery unit of a mobile information handling device of claim 31 wherein data is transmitted along a system management bus.

39. (Original) The apparatus to modify a memory in a battery unit of a mobile information handling device of claim 32 wherein data is transmitted along a system management bus.

40. (Original) The apparatus to modify a memory in a battery unit of a mobile information handling device of claim 33 wherein data is transmitted along a system management bus.

41. (Currently Amended) ~~The method of modifying~~ apparatus to modify a memory in a battery unit of a mobile information handling device of claim 34 wherein data is transmitted along a system management bus.

42. (Currently Amended) ~~The method of modifying apparatus to modify a~~ memory in a battery unit of a mobile information handling device of claim 35 wherein data is transmitted along a system management bus.

43. (Original) A computer program product that modifies a memory in a battery unit of a mobile information handling device comprising:

a first set of instructions to assign a predetermined data word to an available address in memory;

a second set of instructions to receive data in a non-reprogrammable section of the memory;

a third set of instructions to modify a programmable section of the memory if the received data complies with the predetermined data word; and

a fourth set of instructions to perform a checksum of registers in the memory.

44. (Original) The computer program product of claim 43 further comprising:

a fifth set of instructions to multiplex the received data with a control signal before the non-programmable section of the memory receives the data.

45. (Original) The computer program product of claim 43 further comprising:

a sixth set of instructions to perform additional security measures prior to modifying the programmable section of the memory.

46. (Original) The computer program product of claim 44 further comprising:

a sixth set of instructions to perform additional security measures prior to modifying the programmable section of the memory.

47. (Original) The computer program product of claim 43 further comprising:
a seventh set of instructions to control sent data from a firmware control hub in
the mobile information handling device.
48. (Original) The computer program product of claim 44 further comprising:
a seventh set of instructions to control sent data from a firmware control hub in
the mobile information handling device.
49. (Original) The computer program product of claim 45 further comprising:
a seventh set of instructions to control sent data from a firmware control hub in
the mobile information handling device.
50. (Original) The computer program product of claim 42 wherein data is
transmitted along a system management bus.
51. (Original) The computer program product of claim 43 wherein data is
transmitted along a system management bus.
52. (Original) The computer program product of claim 44 wherein data is
transmitted along a system management bus.
53. (Original) The computer program product of claim 45 wherein data is
transmitted along a system management bus.
54. (Original) The computer program product of claim 46 wherein data is
transmitted along a system management bus.

55. (Original) The computer program product of claim 47 wherein data is transmitted along a system management bus.

56. (Original) The computer program product of claim 48 wherein data is transmitted along a system management bus.